Thermochimica Acta, 183 (1991) 369
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Abe, Y., 299
An, X.-W., 107
Arimoto, A., 175
Asano, T., 1
Atake, T., 143

Chu, D.Y., 57
Chen, S.X., 29
Chen, Y.-T., 47

Fujieda, S., 153
Fujisawa, M., 289
Fukai, M., 215
Fukuda, K., 199
Furuichi, R., 365

Gao, L., 137
Gao, S., 349
Guo, D.-J., 107
Guo, Y., 117

Han, B.-X., 107, 137
Hashimoto, T., 167
Hatakeyama, H., 167
Hatakeyama, T., 167
Hayashi, K., 313
Hayatsu, H., 209
Hu, R., 65
Hu, R.-H., 107

Ishimoto, A., 339
Itoh, M., 143

Jiang, Y., 39
Jiang, Y., 99
Jin, C.-Y., 47

Kamimoto, M., 299
Kanou, N., 279
Kashima, M., 339
Katayama, S., 329
Katsuda, Y., 365
Kawahito, J., 153
Kawaji, H., 143
Kidokoro, S., 323
Kimura, T., 289
Koga, N., 125
Kume, Y., 245
Kusanagi, H., 339

Li, B., 117
Li, Z.F., 39
Lin, H.-K., 47
Lin, R., 65
Lin, Y., 57
Liu, R.L., 39, 57
Liu, Y., 99
Liu, Z., 73

Matsui, T., 1
Matsuo, T., 215, 245
Mitomo, H., 313
Mizutani, N., 279
Murakami, S., 15, 175

Nakai, H., 15
Naito, K., 1
Nakamura, S., 269
Nakamura, T., 143
Negishi, A., 299
Nishikubo, T., 269

Ochiai, M., 183
Ogawa, H., 15, 175
Ohkubo, T., 209
Otsuka, R., 183
Ozao, R., 183

Qi, M., 91
Qi, Z., 91
Qu, S.-S., 117

Rong, Y.-M., 47
Ru, B.G., 57

Saegusa, Y., 269
Saito, Y., 143
Sawada, Y., 279
Shibasaki, Y., 199
Shimada, S., 365
Shimoyama, Y., 209
Shirai, T., 269
Soejima, H., 15
Song, Z.-H., 117
Suga, H., 215, 245
Sun, D.-U., 117
Sun, X., 99
Sun, Y., 29

Takagi, S., 289
Takahashi, Y., 299
Takizawa, T., 313
Tamura, K., 15
Tamura, M., 209
Tan, Z.-C., 29
Tanaka, H., 125
Tanaka, K., 299
Todoki, M., 329
Toshiyasu, Y., 15
Touse, M., 269
Tsuji, T., 1

Uedaira, H., 323

Wang, W., 91
Watanabe, T., 167

Xia, S., 349
Xie, C.-L., 117
Xie, D.-Y., 107
Xing, P., 349

Yamamura, M., 209
Yamane, T., 329
Yamazaki, A., 183
Yan, H.-K., 107, 137
Yanagisawa, H., 269
Yao, F., 91
Ye, J.C., 29
Yen, W., 65
Yu, Q., 65
Yu, Z., 99

Zhao, L., 137
Zhao, Y., 137
Zheng, J., 91
Zheng, Z., 339
Zhou, L.X., 29
Zhu, Q.-H., 107

Thermochimica Acta, 183 (1991) 371–373
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Acetic acid
Heats of ionization of acetic acid and halogen-acetic acids in water–ethanol and water–dimethyl formamide mixtures, 65
Acoustic emission thermal analysis
A study on the thermal decomposition of $KClO_4$ by acoustic emission thermal analysis: influences of particle and sample sizes on acoustic emission curve, 365
Adiabatic calorimeter
An adiabatic calorimeter for heat capacity measurements in the temperature range 300–600 K and pressure range 0.1–15 MPa, 29
Adiabatic differential scanning microcalorimeter
Characteristics of an adiabatic differential scanning microcalorimeter, 323

Belousov–Zhabotinskii reaction
Thermal behaviour of Belousov–Zhabotinskii reactions followed by heat exchange calorimetry involving simultaneous estimation of potentiometric oscillations, 153
Binary liquid mixtures
An interpretation of molar excess volumes for binary liquid mixtures of cyclohexane with some hydrocarbons using the van der Waals three-fluid mixture equation of state, 175
Butanediol
Enthalpy and entropy changes on molecular inclusion of 1,3-butanediol into α- and β-cyclodextrin cavities in aqueous solutions, 289
t-Butyl alcohol
Partial molal volume of DMSO and Me_2CO in the mixture of water and *t*-butyl alcohol (TBA) at 278.15, 288.15 and 298.15 K, 39

Cadmium ion
The complexation of metallothionein with cadmium ion and its conformational study, 57
Calorimetric investigation
Calorimetric investigation of electrochemically induced nuclear fusion of deuterium, 107
Calorimetry
Applications of thermodynamics and calorimetry to the petroleum industry, 137
Carbon fiber composite
The thermal decomposition kinetics of poly(ether–ether–ketone) (PEEK) and its carbon fiber composite, 91
Conduction type microcalorimeter
Application of a deconvolution method to kinetic studies with conduction type microcalorimeters, 329
Conformational study
The complexation of metallothionein with cadmium ion and its conformational study, 57
Cyclodextrin
Enthalpy and entropy changes on molecular inclusion of 1,3-butanediol into α- and β-cyclodextrin cavities in aqueous solutions, 289
Cyclohexane
An interpretation of molar excess volumes for binary liquid mixtures of cyclohexane with some hydrocarbons using the van der Waals three-fluid mixture equation of state, 175

Deconvolution method
Application of a deconvolution method to kinetic studies with conduction type microcalorimeters, 329
Differential scanning calorimetry
Differential scanning calorimetry of the triphosphoinositide–water system, 313
DMSO
Partial molal volume of DMSO and Me_2CO in the mixture of water and *t*-butyl alcohol (TBA) at 278.15, 288.15 and 298.15 K, 39
DSC studies
DSC studies on the phase transition of micro-weight polyethylene, 167

Electrochemically induced nuclear fusion
Calorimetric investigation of electrochemically induced nuclear fusion of deuterium, 107
Epoxy curing
Thermal analysis of epoxy curing using polyfunctional active esters as curing agents, 269
Excess molar enthalpies
Excess molar enthalpies of *n*-octanol–*n*-alkane and isopentanol–*n*-dodecane mixtures under high pressure, 99

Fluoride composites
Thermoanalytical investigation of fluoride composites for latent thermal storage, 299

Ground dolomites
Thermal analysis of ground dolomites, 183

Halogen-acetic acid
Heats of ionization of acetic acid and halogen-acetic acids in water–ethanol and water–dimethyl formamide mixtures, 65
Heat exchange calorimetry
Thermal behaviour of Belousov–Zhabotinskii reactions followed by heat exchange calorimetry involving simultaneous estimation of potentiometric oscillations, 153
Heat of ionization
Heats of ionization of acetic acid and halogen-acetic acids in water–ethanol and water–dimethyl formamide mixtures, 65

Intracellular cell function
Heat production is a quantitative parameter for intracellular cell function, 209
Isopentanol–*n*-dodecane
Excess molar enthalpies of *n*-octanol–*n*-alkane and isopentanol–*n*-dodecane mixtures under high pressure, 99

$KClO_4$
A study on the thermal decomposition of $KClO_4$ by acoustic emission thermal analysis: influences of particle and sample sizes on acoustic emission curve, 365

Linear enthalpy relationships
Linear enthalpy relationships. Zinc(II), cobalt(II), nickel(II), copper(II)–bipyridyl/phenanthroline–N-(*meta*-substituted phenyl) iminodiacetic acid ternary systems, 47

Magnesium oxychloride
Studies on the basic compounds of magnesia cement: the thermal behaviour of magnesium oxychlorides, 349
Malonic acid
Thermodynamic properties of phase transitions in malonic acid and its deuterated analogue, 215
Me_2CO
Partial molal volume of DMSO and Me_2CO in the mixture of water and *t*-butyl alcohol (TBA) at 278.15, 288.15 and 298.15 K, 39
Metallothionein
The complexation of metallothionein with cadmium ion and its conformational study, 57
Methylammonium hexachloroplatinate
Calorimetric, spectroscopic and dielectric studies of a phase transition in methylammonium hexachloroplatinate, 245
Micro DSC measurements
Surface effects on phase transition behaviour and thermal polymerisation of long-chain compounds in micro DSC measurements, 199
Micro-weight polyethylene
DSC studies on the phase transition of micro-weight polyethylene, 167
Microcalorimetric studies
Microcalorimetric studies on *Tetrahymena pyriformis*. Part 1. Growth metabolic power and thermal equations, 117

Niobium doped $VO_{1\pm x}$
Heat capacity measurement of $VO_{1\pm x}$ and niobium doped VO_{1+x}, 1
Nylon-6 tyre yarn
The melting behaviour and superstructure of nylon-6 tyre yarn, 339

Octane
Thermodynamic properties of 2,5,8-trioxanonane + *n*-octane mixture at 298.15 K, 15
Octanol–*n*-alkane
Excess molar enthalpies of *n*-octanol–*n*-alkane and isopentanol–*n*-dodecane mixtures under high pressure, 99

Petroleum industry
Applications of thermodynamics and calorimetry to the petroleum industry, 137
Phase transition
Calorimetric, spectroscopic and dielectric studies of a phase transition in methylammonium hexachloroplatinate, 245
Phase transition behaviour
Surface effects on phase transition behaviour and thermal polymerisation of long-chain compounds in micro DSC measurements, 199
Poly(ether–ether–ketone)
The thermal decomposition kinetics of poly(ether–ether–ketone) (PEEK) and its carbon fiber composite, 91
Polyarylene ether sulfones
Thermal analysis of polyarylene ether sulfones and polyimides, 73
Polyfunctional active esters
Thermal analysis of epoxy curing using polyfunctional active esters as curing agents, 269
Polyimides
Thermal analysis of polyarylene ether sulfones and polyimides, 73
Potentiometric oscillations
Thermal behaviour of Belousov–Zhabotinskii reactions followed by heat exchange calorimetry involving simultaneous estimation of potentiometric oscillations, 153

Silver carbonate
Thermal decomposition of silver carbonate. Part 4. High pressure differential thermal analysis under an atmosphere of carbon dioxide, 279

Ternary systems
Linear enthalpy relationships. Zinc(II), cobalt(II), nickel(II), copper(II)–bipyridyl/phenanthroline–N-(*meta*-substituted phenyl) iminodiacetic acid ternary systems, 47
Tetrahymena pyriformis
Microcalorimetric studies on *Tetrahymena pyriformis*. Part 1. Growth metabolic power and thermal equations, 117
Thermal analysis
Thermal analysis of ground dolomites, 183
Thermal analysis of polyarylene ether sulfones and polyimides, 73
Thermal decomposition
Conventional kinetic analysis of the thermogravimetric curves for the thermal decomposition of a solid, 125
Thermal decomposition of silver carbonate. Part 4. High pressure differential thermal analysis under an atmosphere of carbon dioxide, 279
Thermal polymerisation
Surface effects on phase transition behaviour and thermal polymerisation of long-chain compounds in micro DSC measurements, 199
Thermoanalytical investigation
Thermoanalytical investigation of fluoride composites for latent thermal storage, 299
Thermodynamic functions
Low temperature heat capacities and thermodynamic functions of $Tl_2Ba_2CaCu_2O_y$, 143
Thermodynamic properties
Thermodynamic properties of 2,5,8-trioxanonane + *n*-octane mixture at 298.15 K, 15
Thermodynamic properties of phase transitions in malonic acid and its deuterated analogue, 215
Thermodynamics
Applications of thermodynamics and calorimetry to the petroleum industry, 137
Thermogravimetric curves
Conventional kinetic analysis of the thermogravimetric curves for the thermal decomposition of a solid, 125
$Tl_2Ba_2CaCu_2O_y$
Low temperature heat capacities and thermodynamic functions of $Tl_2Ba_2CaCu_2O_y$, 143
Trioxanonane
Thermodynamic properties of 2,5,8-trioxanonane + *n*-octane mixture at 298.15 K, 15
Triphosphoinositide–water system
Differential scanning calorimetry of the triphosphoinositide–water system, 313

van der Waals three-fluid mixture
An interpretation of molar excess volumes for binary liquid mixtures of cyclohexane with some hydrocarbons using the van der Waals three-fluid mixture equation of state, 175
$VO_{1\pm x}$
Heat capacity measurement of $VO_{1\pm x}$ and niobium doped VO_{1+x}, 1